

Converting Colors

$Y_{xy}(35.0236, 0.2457, 0.3460)$

Have a look what the booklet for
Yxy(35.0236, 0.2457, 0.3460)
contains.

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Color

Yxy(35.1059, 0.2455, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	46B0A6
RGB	70, 176, 166
RGB Percent	27%, 69%, 65%
CMY	0.7252, 0.3098, 0.3490
CMYK	0.60, 0.00, 0.06, 0.31
HSL	174°, 43%, 48%
HSV	174°, 60%, 69%
XYZ	24.9378, 35.1059, 41.5359
YIQ	143.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

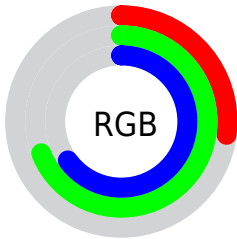
Format	Color
RYB	70, 126, 176
Decimal	4632742
CIELab	65.83, -32.63, -3.96
CIElCh	66, 32.866, 186.924
Yxy	35.1059, 0.2455, 0.3456
Android (android.graphics.Color)	4282822822 (0xFF46B0A6)
YUV	143.1660, 11.2572, -64.1666
Hunter-Lab	59.2502, -28.5592, -0.0886

Details

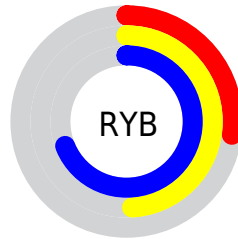
The Yxy color **35.1059, 0.2455, 0.3456** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.2005, 0.4793, 0.3158**, and the grayscale version is **27.5188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6008, 0.2583, 0.3426**, and **15.3808, 0.2308, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **34.4845, 0.2397, 0.3488**, and if you desaturate by 10%, it is **35.9227, 0.2532, 0.3425**.

Distribution



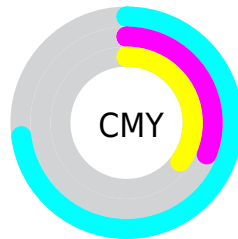
- Red (27%)
- Green (69%)
- Blue (65%)



- Red (27%)
- Yellow (49%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1059, 0.2455, 0.3456 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.1059, 0.2455, 0.3456 by changing the saturation by 10% instead.

 35.1059, 0.2455,
0.3456


 35.1059, 0.2455,
0.3456


325.0355, 0.2802,
0.3374


 23.7445, 0.2365,
0.3476


 67.6498, 0.2583,
0.3427

 15.1442, 0.2248,
0.3500


 89.6010, 0.2631,
0.3416

 8.9206, 0.2090,
0.3531


 115.8510, 0.2671,
0.3406

 4.6894, 0.1865,
0.3571

 146.7841, 0.2705,
0.3398

 2.0662, 0.1523,
0.3619

 182.7847, 0.2734,
0.3391

 0.6455, 0.0000,
0.3971

224.2372, 0.2760,

 0.0000, 0.0000,

0.3385

0.0000

271.5260, 0.2782,
0.3379

■ 35.1059, 0.2455,
0.3456

■ 35.1059, 0.2455,
0.3456

■ 34.4845, 0.2397,
0.3488

■ 35.9227, 0.2532,
0.3425

■ 34.0370, 0.2357,
0.3520

■ 36.9460, 0.2625,
0.3395

■ 33.7445, 0.2336,
0.3552

■ 38.1908, 0.2734,
0.3366

■ 33.5655, 0.2329,
0.3583

■ 39.6696, 0.2855,
0.3339

■ 41.3941, 0.2987,
0.3313

■ 43.3750, 0.3125,
0.3290

■ 45.6226, 0.3267,
0.3270

■ 48.1463, 0.3411,
0.3251

■ 50.9555, 0.3555,
0.3235

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1059, 0.2856, 0.3932



35.1059, 0.2455, 0.3456



35.1059, 0.2238, 0.2971

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1059, 0.2455, 0.3456



35.1059, 0.2843, 0.2540



35.1059, 0.4092, 0.3866

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.1059, 0.2455, 0.3456



14.2005, 0.4793, 0.3158

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.1059, 0.4106, 0.3482



35.1059, 0.2455, 0.3456



35.1059, 0.3350, 0.2754

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.1059, 0.2455, 0.3456



35.1059, 0.2448, 0.2491



35.1059, 0.3826, 0.3087



35.1059, 0.3807, 0.4143

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1059, 0.2455, 0.3456



35.1059, 0.2213, 0.2724



35.1059, 0.3826, 0.3087



35.1059, 0.4130, 0.3745

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.1073, 0.2455, 0.3456



72.5003, 0.2879, 0.3334



33.2272, 0.3106, 0.5160



15.5315, 0.2843, 0.3341



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.1073, 0.2455, 0.3456



62.2644, 0.2383, 0.3498



21.3876, 0.2231, 0.2533



9.6174, 0.2998, 0.3311



24.6336, 0.2328, 0.3579



0.7791, 0.2303, 0.3491

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.2005, 0.4793, 0.3158



21.0137, 0.5377, 0.3159



21.3601, 0.4533, 0.3895



8.5179, 0.3273, 0.3269



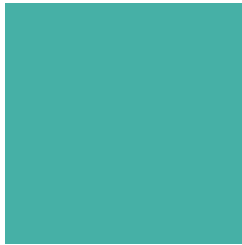
6.8052, 0.6273, 0.3229



0.2184, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 35.1059, 0.2455, 0.3456 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.1059, 0.2455, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

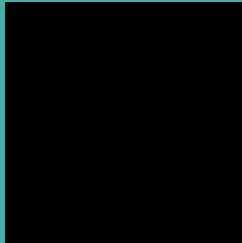
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

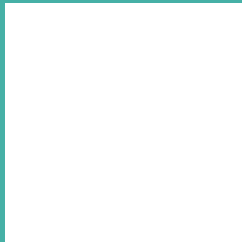
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1059, 0.2455, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 35.1059, 0.2455, 0.3456.

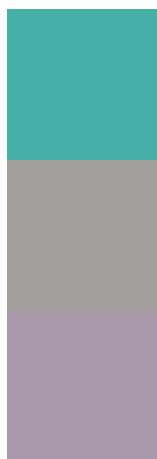


This preview shows how white text looks on a background with the Yxy color 35.1059, 0.2455, 0.3456.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.1059, 0.2455, 0.3456

Protanopia

34.5354, 0.3184, 0.3320

Deuteranopia

34.4865, 0.3119, 0.3050



Tritanopia

35.1373, 0.2367, 0.3065

Trichromacy



Original Color

35.1059, 0.2455, 0.3456

Protanomaly

34.1155, 0.2849, 0.3368

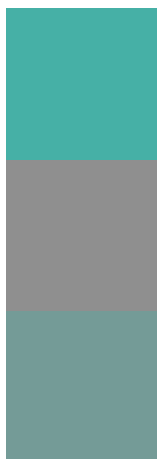
Deuteranomaly

33.6918, 0.2809, 0.3181

Tritanomaly

35.0633, 0.2401, 0.3207

Monochromacy



Original Color

35.1059, 0.2455, 0.3456

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.3901, 0.2799, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1059, 0.2455, 0.3456 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 176, 166)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 176, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 166) }
```

Border

The CSS property to change the border of an element to Yxy 35.1059, 0.2455, 0.3456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 176, 166) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(70, 176, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(70, 176, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 166);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1059, 0.2455, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 176,  
166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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